Contents of Volume 89, 1998

VOL. 89, NO. 1 JANUARY	1998
Publisher's Note	. ,
Fluxes of CO ₂ , water vapor, and energy from a prairie ecosystem during the seasonal transition from carbon sink to carbon source	e
J.M. Ham and A.K. Knapp	
I. Braud	. 15
N. Buchmann and J.R. Ehleringer	. 45
K. Blennow and P. Persson	. 59
Book Review	
Amazonian Deforestation and Climate	. 73
VOL. 89, NO. 2 FEBRUARY	1998
Measurement of thermal properties and water content of unsaturated sandy soil using dual-probe heat-pulse probes	
K.L. Bristow	. 75
S. Landau, R.A.C. Mitchell, V. Barnett, J.J. Colls, J. Craigon, K.L. Moore and R.W. Payne	. 85
M. Lal, K.K. Singh, L.S. Rathore, G. Srinivasan and S.A. Saseendran	. 101
D.S. Wilks and D.W. Wolfe	. 115
Seasonal variations of the exchange of CO ₂ and H ₂ O between a grassland and the atmosphere: An experimental study	. 131
N. Saigusa, T. Oikawa and S. Liu	. 131
L. Palva, E. Garam, F. Manoochehri, R. Sepponen, P. Hari, K. Rajala, H. Ruotoistenmäki and I. Seppälä	
Guide for authors-Geo-science publications	. 149
VOL. 89, NOS. 3-4 20 FEBRUARY	1998
Surface energy balance of a corn residue-covered field	
T.J. Sauer, J.L. Hatfield, J.H. Prueger and J.M. Norman	
Maize canopies under two soil water regimes. I. Diurnal patterns of energy balance, carbon dioxide flux, and canopy conductance P. Steduto and T.C. Hsiao	
Maize canopies under two soil water regimes. II. Seasonal trends of evapotranspiration, carbon dioxide assimilation and canopy conductance, and as related to leaf area index	
P. Steduto and T.C. Hsiao	. 185
Maize canopies under two soil water regimes. III. Variation in coupling with the atmosphere and the role of leaf area index P. Steduto and T.C. Hsiao	201

Maize canopies under two soil water regimes. IV. Validity of Bowen ratio-energy balance technique for measuring water vapor and carbon dioxide fluxes at 5-min intervals	
P. Steduto and T.C. Hsiao	215
Dependence of sugar beet yield on light interception and evapotranspiration	
A.R. Werker and K.W. Jaggard	229
Foliage determinants of light interception in sunny and shaded branches of Fagus sylvatica (L.)	
I. Planchais and H. Sinoquet	24
Leaf boundary layer conductance in a vineyard in Portugal	
F.A. Daudet, J. Silvestre, M.I. Ferreira, C. Valancogne and F. Pradelle	255
Radiative exchange, near-surface temperature and soil water of forest and cropland in interior Alaska	
B.S. Sharratt	269
Ultraviolet irradiance of inclined planes at the top of plant canopies	
R.H. Grant	281
Contents of Volume 89, 1998	295

